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Observations of Minor Planet (8) *Flora at Windsor, N.S. Wales.* By John Tebbutt.

The accompanying observations of *Flora* have been made with the 8-inch equatorial and filar micrometer and in a bright field. The micrometer differences have been corrected for refraction and a small error in the perpendicularity of the micrometer threads. The quantities $p\Delta$ are based on an equatorial parallax of the sun=8″·85.

(8) *Flora.*

Date.	Windsor Mean Time.	Planet − Star. Δ R.A.	Δ N.P.D.	No. of Comps.	Planet's App. R.A.	Log. $p\Delta$	Planet's App. N.P.D.	Log. $p\Delta$.	Reductions to App. Place R.A.	N.P.D.	Comp. Star.
1895.	h m s	m s	′ ″		h m s		° ′ ″		s		
Dec. 1	10 53 10	+2 56·46	+ 7 19·7	12	4 41 52·98	9·154*n*	75 41 2·2	0·811	+5·17	−16″·8	1
1	11 4 19	+1 6·86	+ 1 47·6	8	4 41 52·13	9·074*n*	75 41 1·3	0·812	+5·17	−16·6	2
4	10 27 46	−0 24·15	+ 1 6·8	19	4 38 32·11	9·216*n*	75 34 49·5	0·810	+5·21	−16·6	1
4	10 27 46	−2 13·17	...	19	4 38 32·14	9·216*n*	...	...	+5·21	...	2
5	10 38 42	+0 14·01	+ 9 47·4	15	4 37 24·85	9·115*n*	75 32 32·5	0·813	+5·22	−16·8	3
5	10 38 42	−1 31·43	− 1 12·6	15	4 37 24·84	9·115*n*	75 32 30·1	0·813	+5·22	−16·6	1
8	10 18 7	+6 6·81	+ 2 52·1	7	4 34 8·64	9·153*n*	75 25 2·2	0·813	+5·24	−17·6	4
8	10 18 7	−3 2·08	+ 2 17·5	7	4 34 8·79	9·153*n*	75 25 2·8	0·813	+5·25	−16·6	3
9	10 45 19	+5 1·23	+ 0 4·7	5	4 33 3·06	8·860*n*	75 22 14·8	0·817	+5·24	−17·6	4
9	10 45 19	−4 7·60	− 0 30·4	5	4 33 3·28	8·860*n*	75 22 14·9	0·817	+5·26	−16·6	3
18	9 17 7	+0 5·34	+18 10·8	10	4 24 23·35	9·225*n*	74 53 15·7	0·814	+5·32	−17·8	5
18	9 17 7	−0 24·87	...	10	4 24 23·31	9·225*n*	...	...	+5·32	...	6
22	10 19 55	+0 39·91	+ 0 40·8	10	4 21 10·36	8·041	74 37 27·9	0·823	+5·32	−18·1	7

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Date.	Windsor Mean Time.	Planet−Star. Δ R.A.	Δ N.P.D.	No. of Comps.	Planet's App. R.A.	Log. $p\Delta$	Planet's App. N.P.D.	Log. $p\Delta$.	Reductions to App. Place R.A.	N.P.D.	Comp. Star.
1896.	h m s	m s	′ ″		h m s		° ′ ″		s	″	
Dec. 22	10 19 55	−3 7·68	+ 2 23·1	10	4 21 10·35	8·041	74 37 28·2	0·823	+ 5·34	− 17·6	5
22	10 19 55	−3 37·86	+ 5 41·9	10	4 21 10·34	8·041	74 37 28·8	0·823	+ 5·34	− 17·6	6
23	9 39 34	−3 49·27	− 1 38·3	10	4 20 28·76	8·836*n*	74 33 26·8	0·822	+ 5·34	− 17·6	5
23	9 39 34	−4 19·40	+ 1 40·0	10	4 20 28·81	8·836*n*	74 33 26·9	0·822	+ 5·35	− 17·6	6
23	10 29 13	−0 3·18	− 3 29·6	10	4 20 27·28	8·624	74 33 17·6	0·823	+ 5·33	− 18·0	7
24	9 31 45	−0 42·29	− 7 34·0	15	4 19 48·17	8·879*n*	74 29 13·2	0·823	+ 5·33	− 18·0	7

Mean Places of the Stars of Comparison for 1896·0.

Star.	R.A.	N.P.D.	Authorities.
	h m s	° ′ ″	
1	4 38 51·05	75 33 59·3	Glasgow 1870, 1149; Madras 1882, 159; Yarnall$_3$ 2065.
2	4 40 40·10	75 39 30·3	Equatorial Comps. with No. 1.
3	4 37 5·62	75 23 1·9	Glasgow 1870, 1141; Madras 1882, 157; Glasgow 1890, 409.
4	4 27 56·59	75 22 27·7	Radcliffe 1860, 519; Brussels 1865, 1749; Glasgow 1870, 1099; Greenwich 1880, 727.
5	4 24 12·69	74 35 22·7	Brussels 1865, 1728; Glasgow 1870, 1083; Greenwich 1880, 717; Glasgow 1890, 389.
6	4 24 42·86	74 32 4·5	Brussels 1865, 1731; Greenwich 1872, 423; Greenwich 1880, 719; Glasgow 1890, 391; Cincinnati 1890, 491.
7	4 20 25·13	74 37 5·2	Radcliffe 1845, 1230; Brussels 1865, 1703; Greenwich 1872, 415.

Windsor, N. S. Wales:
1897 *February* 18.

1897MNRAS..57..496T

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Observations of Comets 1896 *III.* (*Swift*) *and* 1896 *IV.* (*Sperra*), *at the Radcliffe Observatory, Oxford.*

(*Communicated by E. J. Stone, Esq., M.A., F.R.S., Radcliffe Observer.*)

The following comet observations were made with the 10-inch Barclay Equatorial, using the ring micrometer, with power 100.

Comet Swift.

Date.	G.M.T.	Local Sidereal Time.	Observer.	Comet *minus* Star (corrected for Refraction only). R.A.	N.P.D.	No. of Comps.	Apparent R.A. of Comet.	Parallax in R.A. p.	Log. $(p \times \Delta)$.	Apparent N.P.D. of Comet.	Parallax in N.P.D. q.	Log. $(q \times \Delta)$.	Ref.
1896.	h m s	h m s		m s	′ ″		h m s	s		° ′ ″	″		
Apr. 20	8 57 45	10 50 28	R.	−0 16·65	−1 43·0	9	3 34 39·99	+0·68	9·593	61 46 1·8	12·1	0·840	(*a*)
28	8 44 15	11 8 28	R.	+1 29·05	+0 30·0	3	3 10 50·00	+0·79	9·6762	42 6 35·0	11·0	0·8211	(*b*)
29	9 43 35	12 11 54	C.	+1 15·50	−6 46·5	8	3 6 4·86	+0·64	9·5923	40 0 54·0	12·2	0·8739	(*c*)
May 1	10 40 18	13 16 39	W.	−3 52·73	+0 50·5	3	2 55 52·93	+0·41	9·4130	36 18 2·4	12·8	0·9082	(*d*)
1	10 40 18	13 16 39	W.	−3 58·98	+0 45·5	3	2 55 52·96	+0·41	9·4130	36 18 4·9	12·8	0·9082	(*e*)
2	10 5 49	12 46 1	R.	−1 14·39	−4 17·9	9	2 50 33·05	+0·52	9·5205	34 41 44·6	12·1	0·8912	(*f*)
4	10 44 48	13 33 0	R.	−1 50·45	+6 54·4	6	2 38 43·74	+0·29	9·2934	31 43 0·5	12·2	0·9084	(*g*)
9	10 11 45	13 19 34	R.	+0 17·80	+0 23·8	11	2 6 13·31	+0·23	9·2238	26 8 25·9	10·8	0·8952	(*h*)
11	10 37 23	13 53 9	R.	+2 53·80	−0 46·0	8	1 52 7·50	0·00	...	24 27 54·6	10·4	0·8946	(*i*)
12	9 42 52	13 2 26	R.	+0 30·88	−0 51·1	6	1 45 16·81	+0·22	9·2255	23 45 49·9	10·0	0·8868	(*j*)
14	10 53 1	14 20 40	W.	−4 3·35	−1 50·7	5	1 30 33·04	−0·26	9·3167	22 27 8·0	9·5	0·8796	(*k*)
15	11 8 46	14 40 24	W.	−3 21·89	+2 0·7	6	1 23 15·10	−0·40	9·5096	21 53 9·2	9·1	0·8675	(*l*)
29	11 32 51	15 59 45	W.	+1 34·39	−0 1·8	7	23 43 30·74	−1·10	0·0337	17 41 7·3	4·5	0·6415	(*m*)
June 15	11	...	R.	...	...	...	21 52	...	...	17 40	...	...	(*n*)

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